

Modeling Date: June-2018
Map Creation Date: September-2018
By: J. Weber

- #### Legend
- Cross Section
 - Flow Path
 - Detailed Sheet Extent
 - Approx. Maximum Flooding Extent

Notes:

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3. All elevations are reported in the NAVD88 vertical datum.
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5. Mapped depths and arrival times will vary based on breach conditions, hydrologic conditions, modelling assumptions, and other factors. Emergency action plans that utilize these maps may want to consider a factor of safety for arrival times.

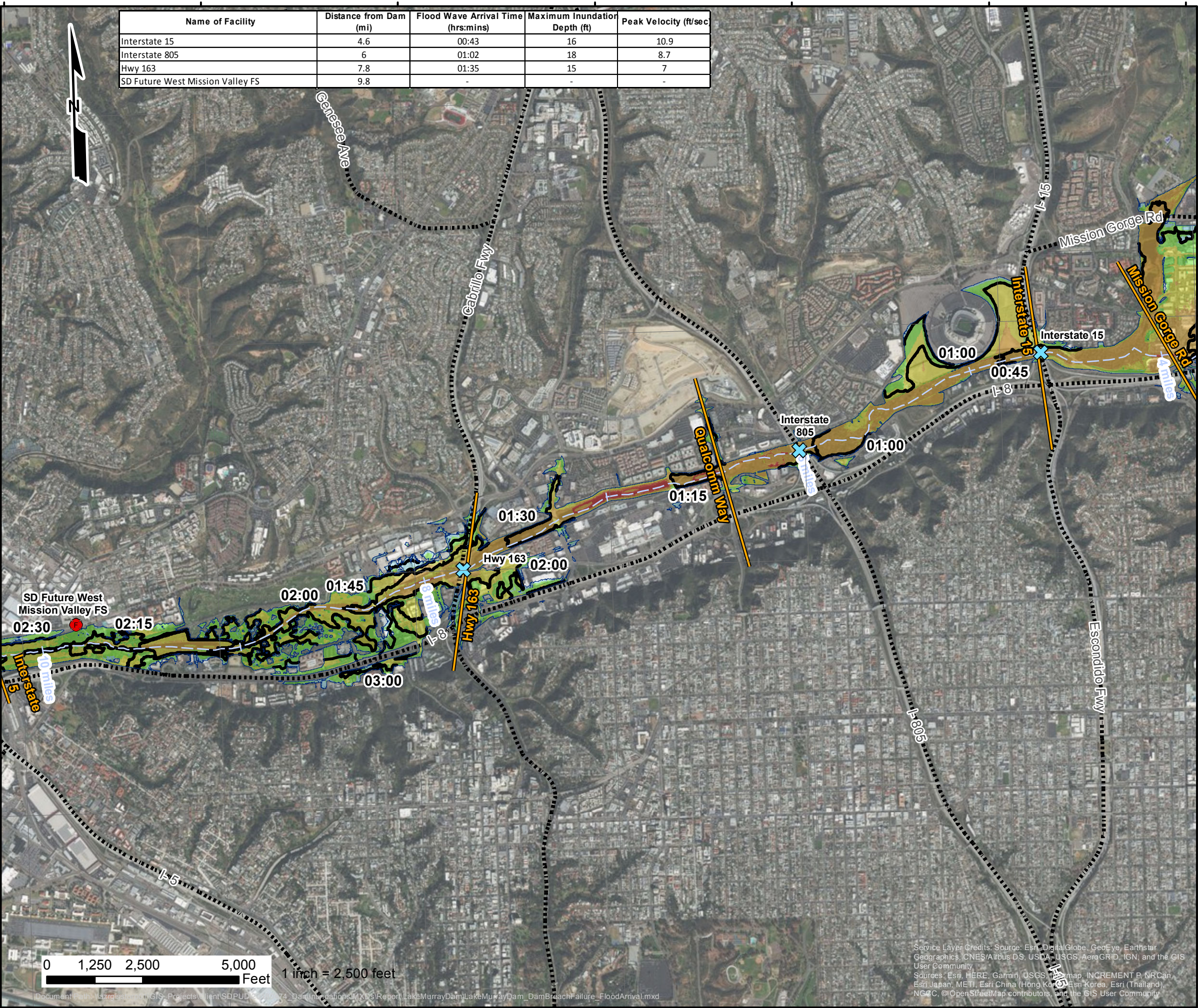
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550 West C Street, Suite 1200
San Diego, CA 92101
(619) 831-4600

Engineer Elizabeth Bissonnette

License No. C68830

Name of Facility	Distance from Dam (mi)	Flood Wave Arrival Time (hrs:mins)	Maximum Inundation Depth (ft)	Peak Velocity (ft/sec)
Interstate 15	4.6	00:43	16	10.9
Interstate 805	6	01:02	18	8.7
Hwy 163	7.8	01:35	15	7
SD Future West Mission Valley FS	9.8	-	-	-



**Lake Murray Dam
Sunny Day Dam Breach
Flood Arrival Times
San Diego County, California
State Dam ID: 8.012
& National Dam ID: CA00116**



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Legend

Critical Structures

- Critical Road Point
- CalFire Facility
- Licensed Healthcare Facility
- Law Enforcement Facility
- School

..... Critical Road

— Approx. Time to 1 Foot Depth (hrs:mins)

— Cross Section

— Flow Path

— Approx. Maximum Flooding Extent

— Municipal Boundary

Maximum Inundation Depth (ft)

- 1 to 2
- 2 to 5
- 5 to 10
- 10 to 20
- 20+

* Variations in color are dependent upon the background imagery.

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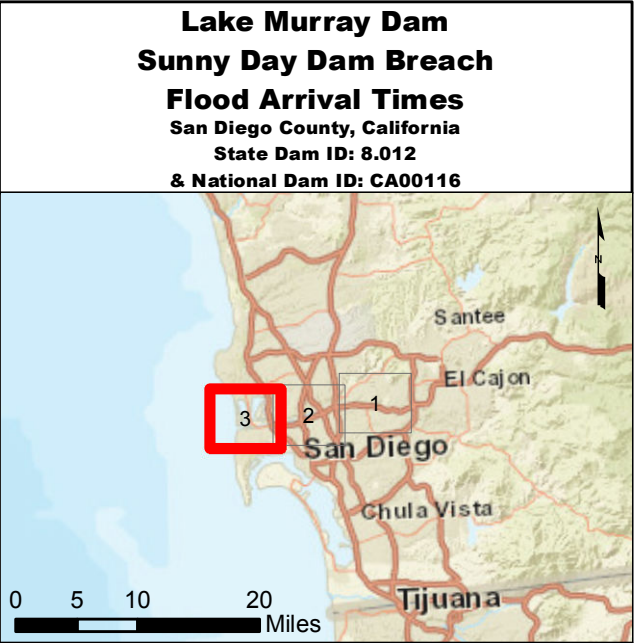
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0 1,250 2,500 5,000 Feet 1 inch = 2,500 feet



Name of Facility	Distance from Dam (mi)	Flood Wave Arrival Time (hrs:mins)	Maximum Inundation Depth (ft)	Peak Velocity (ft/sec)
SD Future West Mission Valley FS	9.8	-	-	-
Interstate 5	10.3	02:39	9	3.7

Mapped depths and arrival times downgradient of I-5 vary more significantly as a result of tidal influences, hydraulic factors, and specific model assumptions. Please refer to text for additional information.



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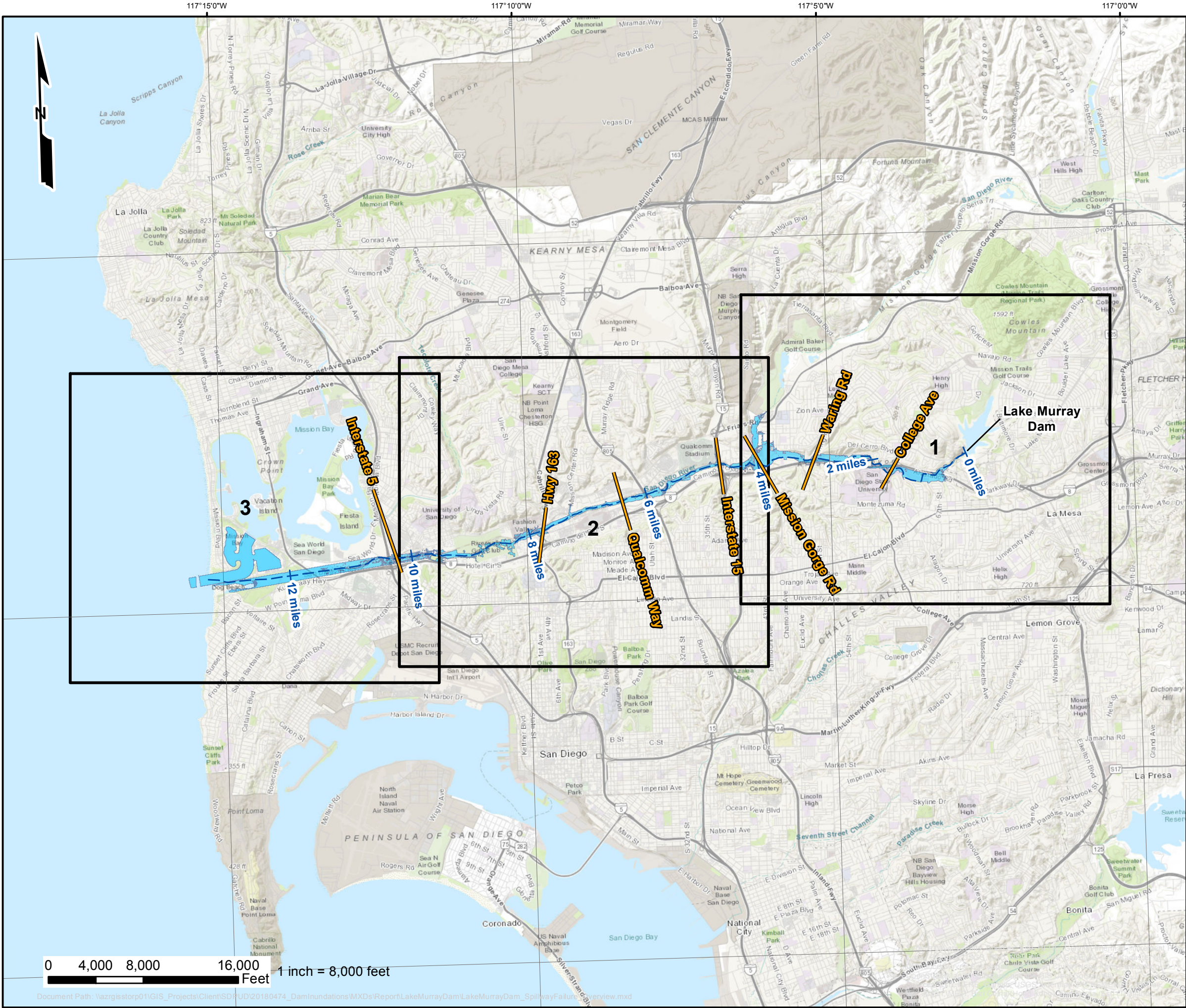
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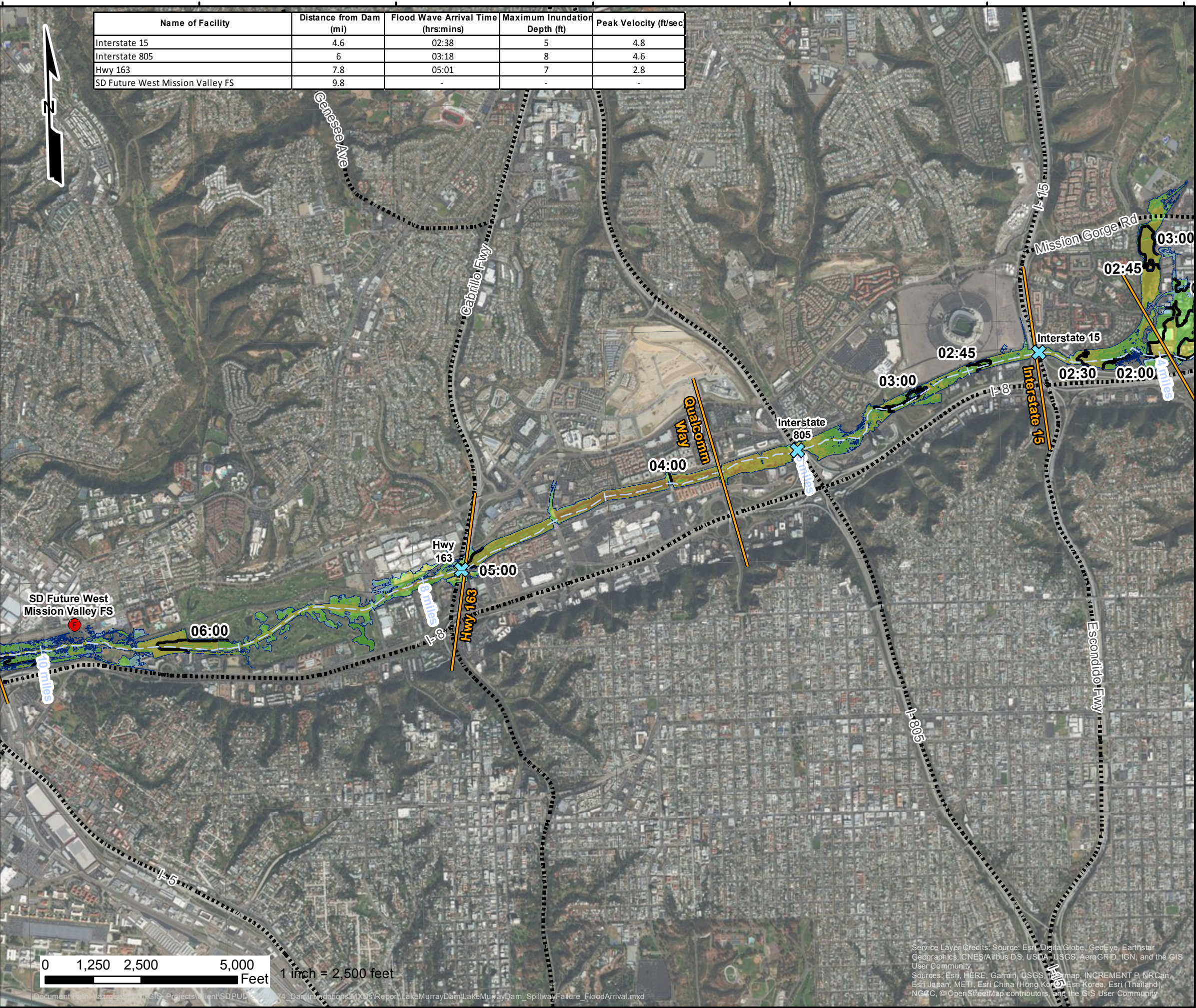
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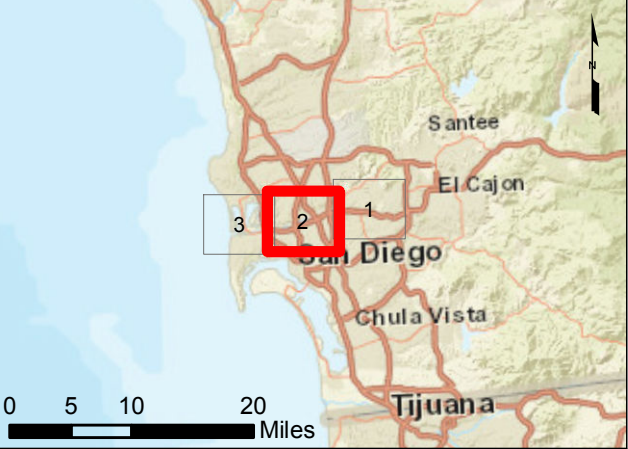
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Interstate 15	4.6	02:38	5	4.8
Interstate 805	6	03:18	8	4.6
Hwy 163	7.8	05:01	7	2.8
SD Future West Mission Valley FS	9.8	-	-	-



**Lake Murray Dam
Sunny Day Spillway Breach
Flood Arrival Times**
San Diego County, California
State Dam ID: 8.012
& National Dam ID: CA00116



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..... Critical Road

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— Cross Section

— Flow Path

— Approx. Maximum Flooding Extent

— Municipal Boundary

Maximum Inundation Depth (ft)

- 1 to 2
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- 20+

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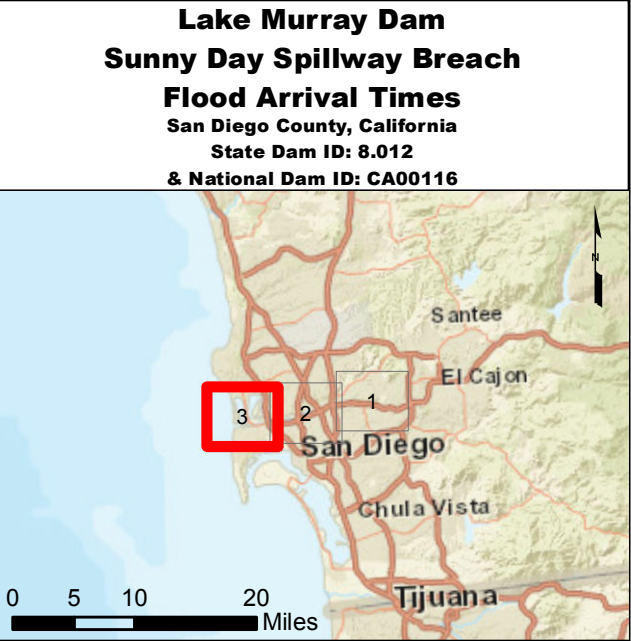
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Name of Facility	Distance from Dam (mi)	Flood Wave Arrival Time (hrs:mins)	Maximum Inundation Depth (ft)	Peak Velocity (ft/sec)
SD Future West Mission Valley FS	9.8	-	-	-
Interstate 5	10.3	06:45	6	2.8



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- School

Critical Road

Approx. Time to 1 Foot Depth (hrs:mins)

Cross Section

Flow Path

Approx. Maximum Flooding Extent

Municipal Boundary


Maximum Inundation Depth (ft)

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